KYOTO UNIVERSITY

# PUBLICATIONS OF THE SETO MARINE BIOLOGICAL LABORATORY

Volume XXI

PUBLISHED BY THE LABORATORY
SIRAHAMA, WAKAYAMA-KEN, JAPAN
1972-1974

KYOTO UNIVERSITY

# PUBLICATIONS OF THE SETO MARINE BIOLOGICAL LABORATORY

Volume XXI



PUBLISHED BY THE LABORATORY
SHIRAHAMA, WAKAYAMA KEN, JAPAN
1975-1976

# CONTENTS


**No. 1** (December 1, 1972)

1. **Taki, I.** : On a new species of *Lamellaria* (*L. utinomii*, n. sp.) from Shirahama, Wakayama Prefecture, Japan (Moll., Gastropoda). ..... 1
2. **Hamatani, I.** : A new species of *Volvatella* Pease, 1860, found in the "caulerpan microfauna" in the Province of Kii, Middle Japan (Opisthobranchia: Sacoglossa) ..... 13
3. **Tokioka, T. and Kado, Y.** : The occurrence of *Molgula manhattensis* (De Kay) in brackish water near Hiroshima, Japan. ..... 21
4. **Shih, C.** : Note on the giant isopod genus *Bathynomus* Milne Edwards, 1879 with description of a new species. ..... 31
5. **Morino, H.** : Studies on the Talitridae (Amphipoda, Crustacea) in Japan I. Taxonomy of *Talorchestia* and *Orchestoidea*. ..... 43

**No. 2** (March 31, 1973)

6. **Hamatani, I. and Nunomura, N.** : A new species of the interstitial eolidacean genus *Pseudovermis* (Opisthobranchia) from Kii, Middle Japan. ..... 67
7. **Yamanishi, R.** : A new species of *Saccocirrus* (Archiannelida) in Japan. ... 73
8. **Izawa, K.** : On the development of parasitic Copepoda I. *Sarcotaces pacificus* Komai (Cyclopoida: Philichthyidae). ..... 77
9. **Nunomura, N.** : Description of *Microcerberus kiiensis*, n. sp.: primary record of the suborder Microcerberidea (Crustacea, Isopoda) in Japan. ..... 87
10. **Koshida, Y.** : Practical application of acetylcholine method as a non-injurious means to obtain eggs from sea urchins. ..... 95
11. **Watanabe, H. and Tokioka, T.** : On a new species of *Clavelina* from Japan, with remarks on its mode of budding. ..... 99
12. **Kobayashi, N.** : Studies on the effects of some agents on fertilized sea urchin eggs, as a part of the bases for marine pollution bioassay I. ..... 109
13. **Yamaguchi, T.** : On *Megabalanus* (Cirripedia, Thoracica) of Japan. ..... 115
14. **Carlson, C. H. and Hoff, P. J.** : Two new species of Gastropteridae from Guam, Marianas Islands (Opisthobranchia: Cephalaspidea). ..... 141

**Nos. 3/4** (March 30, 1974)

15. **Orsi, J. J.** : A check list of the marine and freshwater fishes of Vietnam. ..... 153
16. **Izawa, K.** : *Sarcotaces*, a genus of parasitic copepods (Cyclopoida: Philichthyidae), found on Japanese fishes. ..... 179
17. **Tanaka, O. and Omori, M.** : Additional report on calanoid copepods from the Izu region. Part 5. *Euaugaptilus*. ..... 193

18. **Tokioka, T.** : Morphological differences observed between the generations of the same chaetognath population. ..... 269
19. **Bieri, R.** : A new species of *Spadella* (Chaetognatha) from California. ..... 281

**Nos. 5/6** (December 23, 1974)

20. **Murano, M.** : Mysidacea from the central and western Pacific I. Genus *Pseudomma* (Tribe Erythropini). ..... 287
21. **Izawa, K.** : On three new species of *Colobomatus* (Cyclopoida : Philichthyidae) parasitic on Japanese fishes. ..... 335
22. **Carlson, C. H. and Hoff, P. J.** : The Gastropteridae of Guam, with descriptions of four new species (Opisthobranchia : Cephalaspidea). ..... 345
23. **Ooishi, S. and Illg, P. L.** : *Haplostomella halocynthiae* (Fukui), an ascidicolid copepod associated with a simple ascidian, *Halocynthia roretzi* (Drasche), from Japan. ..... 365
24. **Kobayashi, N.** : Marine pollution bioassay by sea urchin eggs, an attempt to enhance accuracy. ..... 377
25. **Tokioka, T.** : On the specific validity in species pairs or trios of plankton animals, distributed respectively in different but adjoining water masses, as seen in chaetognaths. ..... 393

**Composition of the fixed sea urchin colony** on Hatakezima Island, 1972—1974. ..... 409
**Bioassay data for marine pollution** using sea urchin eggs, 1972 and 1973. ..... 411
**Oceanographic data** at the S. M. B. L., 1971. ..... 433

---

**Record of works** done at the Seto Marine Biological Laboratory (published in 1969). ..... 441